

CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (original). A data bus configuration, comprising:

at least one control station;

at least one reception station;

a data bus operated in a multiplex mode and connected to said control station and to said reception station; and

a control bus connected to said control station and to said reception station, and through said control bus said control station allocating a logical channel to said reception station.

Claim 2 (original). A method for operating a data bus configuration having at least one control station, at least one reception station, a data bus operated in a multiplex mode and connected to the control station and to the reception station, and a control bus connected to the control station and to the reception station, which comprises the steps of:

using the control station to transfer an address onto the data bus for soliciting the reception station;

allocating a logical channel to the reception station through the control bus; and

interchanging data between the control station and the reception station for as long as the logical channel remains allocated to the reception station and is called.

Claim 3 (original). The method according to claim 2, which further comprises soliciting the reception station through the control bus by calling the logical channel at a same time as a transfer of the data.

Claim 4 (original). The method according to claim 2, which further comprises soliciting the reception station through the control bus by calling the logical channel before a transfer of the data.

Claim 5 (new). A data bus configuration, comprising:

at least one control station;

at least one reception station;

a data bus operated in a multiplex mode and connected to said control station

and to said reception station; and

a control bus connected to said control station and to said reception station;

said control station allocating a logical channel to said reception station through
said control bus; and

said control station and said reception station interchanging data for as long as
said logical channel remains allocated to said reception station and is called.